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(21) International Application Number: PCT/US99/16940 (22) International Filing Date: 27 July 1999 (27.07.99) (30) Priority Data: 60/094,286 27 July 1998 (27.07.98) US (71) Applicant (for all designated States except US): TEXAS PHARMACEUTICALS, INC. [US/US]; 701 W. 14th Street, Texarkana, TX 75501 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BACHYNSKY, Nicholas [US/US]; Route 16 Box 492, Texarkana, AR 75503 (US). ROY, Woodie [US/US]; Route 16 Box 492, Texarkana, AR 75503 (US). (74) Agent: FOX, David, L.; Fulbright & Jaworski, L.L.P., Suite 5100, 1301 McKinney, Houston, TX 77010 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: CHEMICALLY INDUCED INTRACELLULAR HYPERTHERMIA (57) Abstract An invention relating to therapeutic pharmacological agents and methods to chemically induce intracellular hyperthermia and/or free radicals for the diagnosis and treatment of infections, malignancy and other medical conditions. The invention relates to a process and composition for the diagnosis or killing of cancer cells and inactivation of susceptible bacterial, parasitic, fungal, and viral pathogens by chemically generating heat, and/or free radicals and/or hyperthermia-inducible immunogenic determinants by using mitochondrial uncoupling agents, especially 2,4 dinitrophenol and, their conjugates, either alone or in combination with other drugs, hormones, cytokines and radiation.		